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2. The apparatus of claim 1, wherein the elongated substrate further comprises a second surface, and the multiplicity of barbs projects from the first and second surfaces.

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4. The apparatus of claim 3, wherein the plurality of perforations define suture eyelets.

5. The apparatus of claim 1, wherein the elongated substrate further comprises a coating of a therapeutic agent.

6. The apparatus of claim 1, wherein the elongated substrate is impregnated with a therapeutic agent.

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$\{ \mathbf{u}_i^{(k)} \}_{i=1}^n$ and $\{ \mathbf{v}_i^{(k)} \}_{i=1}^n$ are the left and right singular vectors of $\mathbf{A}^{(k)}$, respectively, and $\sigma_i^{(k)}$ are the singular values of $\mathbf{A}^{(k)}$. The singular value decomposition of $\mathbf{A}^{(k)}$ is given by $\mathbf{A}^{(k)} = \mathbf{U}^{(k)} \mathbf{\Sigma}^{(k)} \mathbf{V}^{(k)T}$, where $\mathbf{U}^{(k)} = [\mathbf{u}_1^{(k)} \dots \mathbf{u}_n^{(k)}]$, $\mathbf{\Sigma}^{(k)} = \text{diag}(\sigma_1^{(k)}, \dots, \sigma_n^{(k)})$, and $\mathbf{V}^{(k)} = [\mathbf{v}_1^{(k)} \dots \mathbf{v}_n^{(k)}]$. The singular value decomposition of $\mathbf{A}^{(k)}$ is given by $\mathbf{A}^{(k)} = \mathbf{U}^{(k)} \mathbf{\Sigma}^{(k)} \mathbf{V}^{(k)T}$, where $\mathbf{U}^{(k)} = [\mathbf{u}_1^{(k)} \dots \mathbf{u}_n^{(k)}]$, $\mathbf{\Sigma}^{(k)} = \text{diag}(\sigma_1^{(k)}, \dots, \sigma_n^{(k)})$, and $\mathbf{V}^{(k)} = [\mathbf{v}_1^{(k)} \dots \mathbf{v}_n^{(k)}]$.

17. The apparatus of claim 1 further comprising a replacement intervertebral disc coupled to the elongated substrate.

18. A method for closing a tissue wound comprising:

18. A method of providing a cell of a biocompatible material and a multiplicity of cells; positioning the cells such that the multiplicity of cells define a tissue; and squeezing the multiplicity of cells to the elongated shape.

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squeezing the first portion of the perimeter of the wound against the multiplicity of barbs to adhere the first portion of the perimeter of the wound to the first elongated substrate half;

squeezing the second portion of the perimeter of the wound against the multiplicity of barbs to adhere the second portion of the perimeter of the wound to the second elongated substrate half; and

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21. The method of claim 20 wherein moving the first and second substrate halves into apposition comprises threading suture material through eyelets in the first and second elongated substrate halves and knotting the suture material.